

In the claims:

1-10. (Canceled)

11. (Currently amended) A pedal assembly comprising:

a pedal, and a crank arm having an axis of rotation; and

a variable attachment device that attaches said pedal to said crank arm at an angle of inclination with respect to said axis of rotation of said crank arm,

wherein said variable attachment device comprises ~~an arm~~ a rotating part to which said pedal is attached, said ~~arm~~ rotating part being rotatably attached to a point on said crank arm distanced along a longitudinal axis of said crank arm from said axis of rotation of said crank arm, said rotating part being rotatable about a rotation axis which is generally perpendicular to said axis of rotation of said crank arm and generally perpendicular to said longitudinal axis ~~at a rotation axis that passes through said arm and said crank arm~~, and wherein rotating said ~~arm~~ rotating part about said rotation axis relative to said crank arm changes said angle of inclination with respect to said axis of rotation of said crank arm, and wherein an angle of said pedal with respect to a horizontal ground surface changes during pedaling of said pedal about said axis of rotation of said crank arm.

12. (Currently amended) ~~The pedal assembly according to claim 11,~~

A pedal assembly comprising:

a pedal, and a crank arm having an axis of rotation; and

a variable attachment device that attaches said pedal to said crank arm at an angle of inclination with respect to said axis of rotation of said crank arm, wherein said variable attachment device comprises an arm to which said pedal is attached, said arm being rotatably attached to said crank arm at a rotation axis that passes through said arm and said crank arm, and wherein rotating said arm relative to said crank arm changes said angle of inclination with respect to said axis of rotation of said crank arm.

wherein said arm has a first groove formed therein and said crank arm is formed with a second groove, and a movable pin passes through said first and second grooves, and wherein moving said movable pin to different positions in said first and second grooves causes an angular tilt of said arm relative to said crank arm, thereby changing said angle of inclination with respect to said axis of rotation of said crank arm.

13. (Previously presented) The pedal assembly according to claim 12, wherein said second groove of said crank arm comprises a stepped groove.

14. (Previously presented) The pedal assembly according to claim 12, wherein said movable pin is attached to a positioning catch, and said positioning catch catches on to said arm at different angular tilts of said arm relative to said crank arm.

15. (Previously presented) The pedal assembly according to claim 11, wherein said rotation axis comprises a rotation pin that passes through a bore formed in said arm and a bore formed in said crank arm.

16. (Previously presented) The pedal assembly according to claim 11, wherein said angle of inclination with respect to said axis of rotation of said crank arm is fixed by tightening at least two parts to one another.

17. (Previously presented) The pedal assembly according to claim 11, further comprising an adjustment device operative to adjust an angle of an upper surface of said pedal with respect to an axis of rotation of said pedal.

18. (Previously presented) The pedal assembly according to claim 17, wherein said adjustment device operative comprises a mechanical fastener passing through a slot that secures the upper surface to said pedal.

19. (Previously presented) An assembly for a bicycle comprising:

a pedal, and a crank arm having an axis of rotation, said pedal being attached to said crank arm by a threaded element that screws into a threaded hole formed in said crank arm, wherein said threaded hole is tilted at a fixed non-zero angle from the axis of rotation of said crank arm.

20. (New) The pedal assembly according to claim 11, wherein said crank arm and said rotating part remain fixed to each other during pedaling of said pedal.

21. (New) The pedal assembly according to claim 11, wherein pedaling said pedal defines a cone having a conical angle equal to said angle of inclination with respect to said axis of rotation of said crank arm.